AAS – Information Systems & Applications to BAAS – Information Technology
Software and Database Design Concentration
2023-2024 Transfer Pathway

AAS Degree Requirements							
McLennan Community College							
MCLENNAN	TAMUCT	Course Name	SCH	MCLENNAN	TAMUCT	Course Name	SCH
ARTC 1302[2]	VO--	Digital Imaging I	3	ENGL 1301 or ENGL 2311	CORE 010	Composition I or Technical & Business Writing	3
BCIS 1305	CORE 090	Business Computer Applications	3	IMED 1316[2]	VO--	Web Design I	3
COSC 1336	CORE 090	Programming Fundamentals I	3	ITSE 2309[2]	VO--	Database Programming	3
ITSC 1305[2]	VO--	Introduction to PC Operating Systems	3	ITCC 1314 or ITNW 1354[2]	VO--	CCNA 1: Introduction to Networks or Implementing and Support Servers	3
ITSY 1342[2]	VO--	Information Tech Security	3	ITSC 2325 or ITSY 2359[2]	VO--	Advanced Linux or Security Assessment & Auditing	3
ITSE 1311, ITSE 1302 or COSC 1337[2]	VO-- or COSC 1337	Beginning Web Programming, Computer Programming or Programming Fundamentals II	3	Elective[2]	VO--	Computer Information Systems & Multimedia Elective	3
ITSW 1307[2]	VO--	Introduction to Database	3	ITSW 1304[2]	VO--	Introduction to Spreadsheets	3
ITSC 1316 or ITSY 2342[2]	VO--	Linux Installation and Configuration or Incident Response and Handling	3	ITSC 1325[2]	VO--	Personal Computer Hardware	3
CORE 040	CORE 040	Language, Philosophy, & Culture Core	3	ITSC 2339, ITSC 2386, ITSW 2386 or ITSY 2386[2]	VO--	Personal Computer Help Desk Support, Internship-Computer & Information Scien, Internship-Data Processing/Data Process or Int- Computer & Information Systems Sec.	3
CORE 020	CORE 020	Mathematics Core	3	CORE 080	CORE 080	Social/Behavioral Science Core	3
						Subtotal	**60**

Additional Lower-Level or Upper-Level Degree Requirements			
McLennan Community College or Texas A&M University – Central Texas			
McLennan Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 010[1]	CORE 010	Communications Core	3
CORE 030[1]	CORE 030	Life and Physical Science Core	3
CORE 030[1]	CORE 030	Life and Physical Science Core	3
CORE 050[1]	CORE 050	Creative Arts Core	3
CORE 060[1]	CORE 060	American History Core	3
CORE 060[1]	CORE 060	American History Core	3
CORE 070[1]	CORE 070	Government/Political Science Core	3
CORE 070[1]	CORE 070	Government/Political Science Core	3
BUSI 2305[1,3]	BUSI 2305	Business Statistics	3
		Subtotal	**27**

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
CIS 3347	Data Communications and Infrastructure	3	CIS 3351	Data Structures	3
CIS 3340, CIS 3341, CIS 3342 or CIS 3343	Advanced C++ Programming, Advanced Visual Basic Programming, Advanced Java Programming or C# Programming for Windows and the Web	3	CIS 4360	Strategic Information Systems	3
CIS 3360	Ethics in Computing	3	CIS 4340	Algorithm Design and Analysis	3
CIS 3365	System Analysis and Design	3	CIS 4352	Structured Query Language	3
CIS 4301	Database Theory and Practices	3	CIS 4379	Software Engineering for E-Business	3
CIS 4341	Information Technology Security and Risk Management	3	Upper-Level CIS Elective	Upper-Level CIS Elective	3
CIS 4350	Management Information Systems	3	CIS 4090	Computer Information Systems Capstone Assessment	0
				Subtotal	**39**
				Total	**126**

Notes/Comments
Texas A&M University - Central Texas offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at McLennan College. For help with pathway planning, student should speak with an **academic advisor**. *This pathway is intended for planning and visualization purposes only.*

1. Not all Degree Requirement courses are completed with the **AAS**. Students will need to complete these remaining lower-level courses at McLennan College. Please discuss the consortium agreement procedure with a TAMUCT **financial aid advisor**.
2. For the Occupational/Technical Specialization credits, students must have a minimum of 12 semester credit hours consisting of technical, occupational, and military training and many include academic electives to complete the maximum allowable 36 semester credit hours.
3. Students may also fulfill this degree requirement by enrolling in BUSI 3311 at TAMUCT.